

FIG.1

310300278

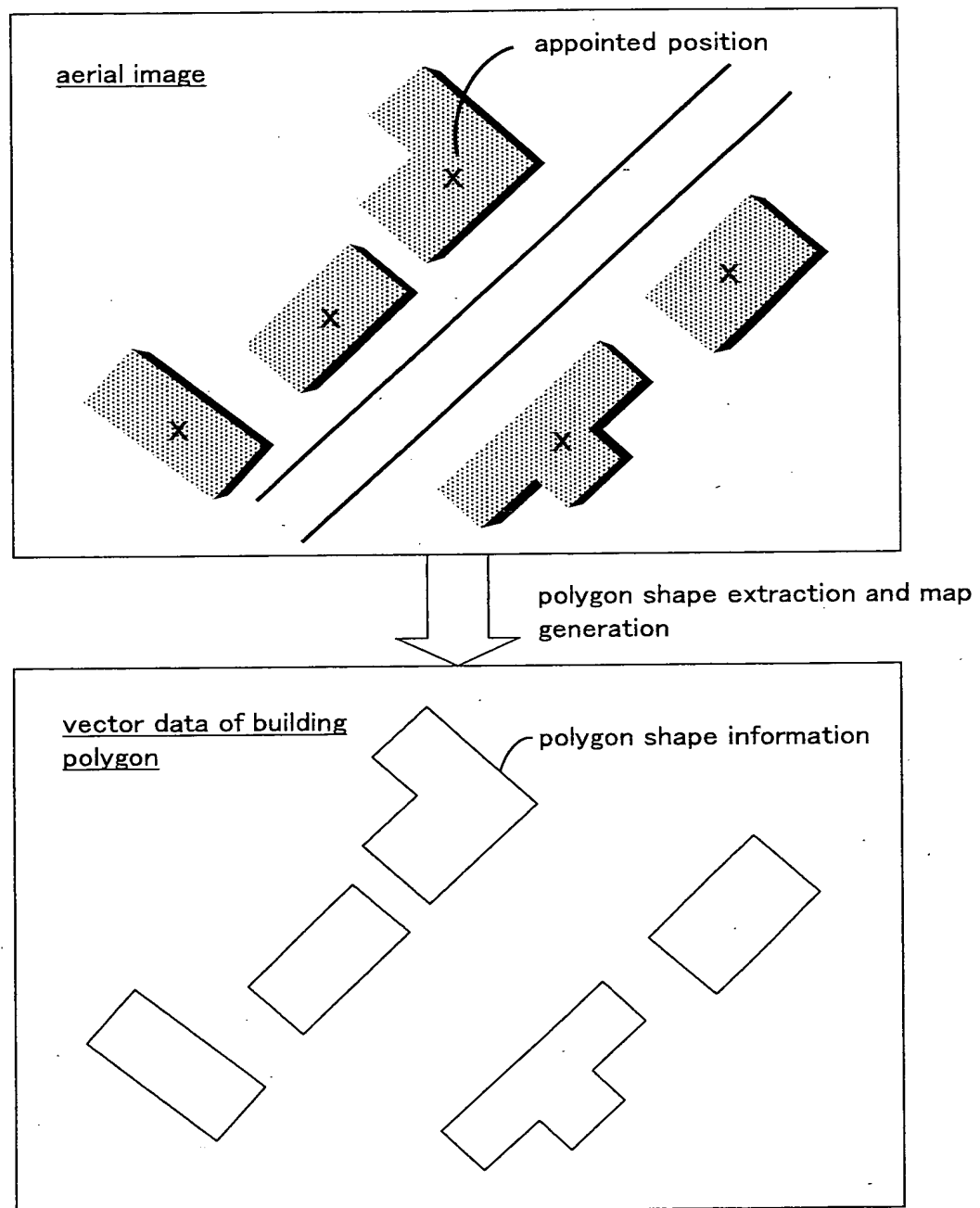


FIG.2

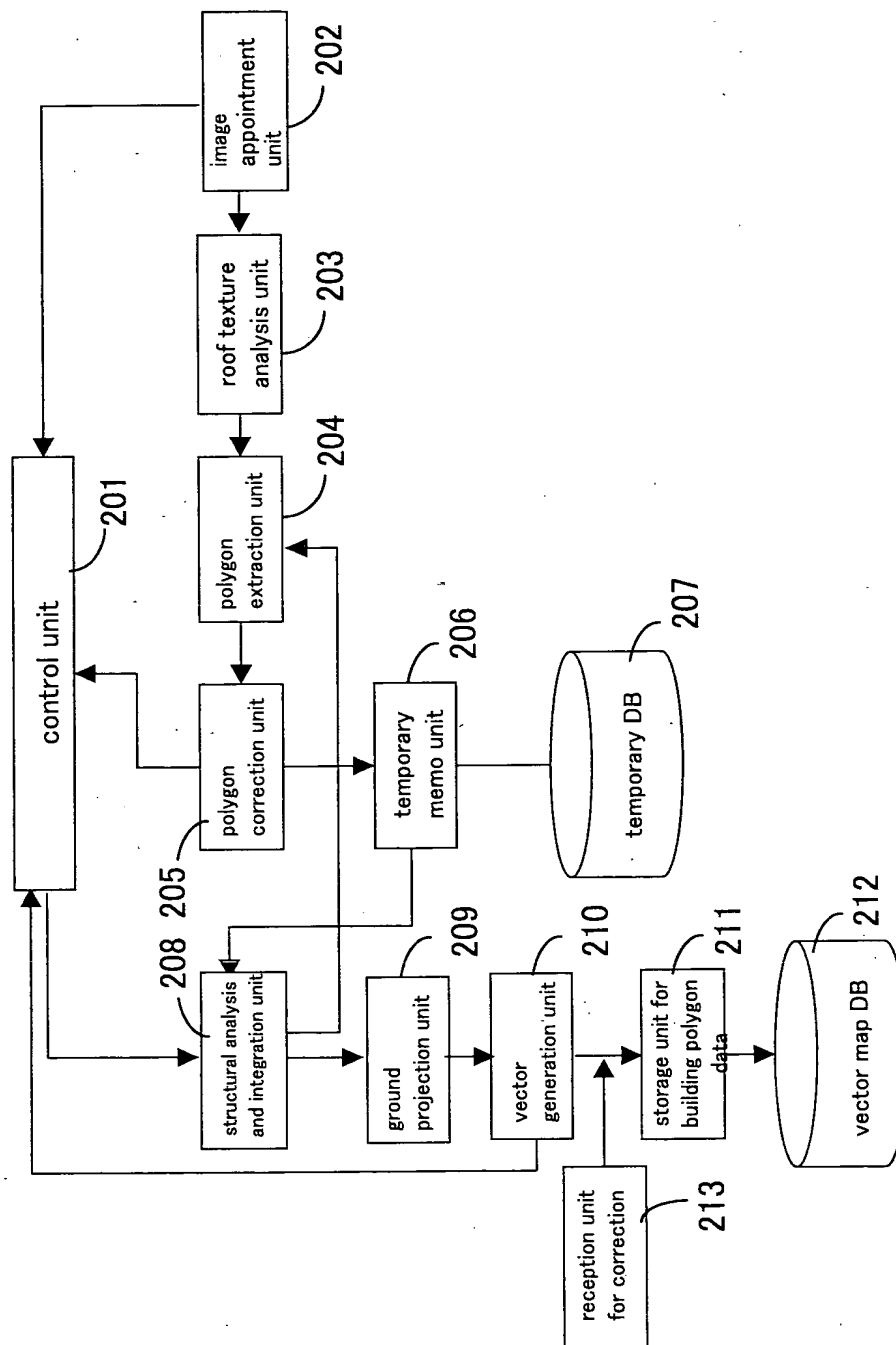


FIG.3

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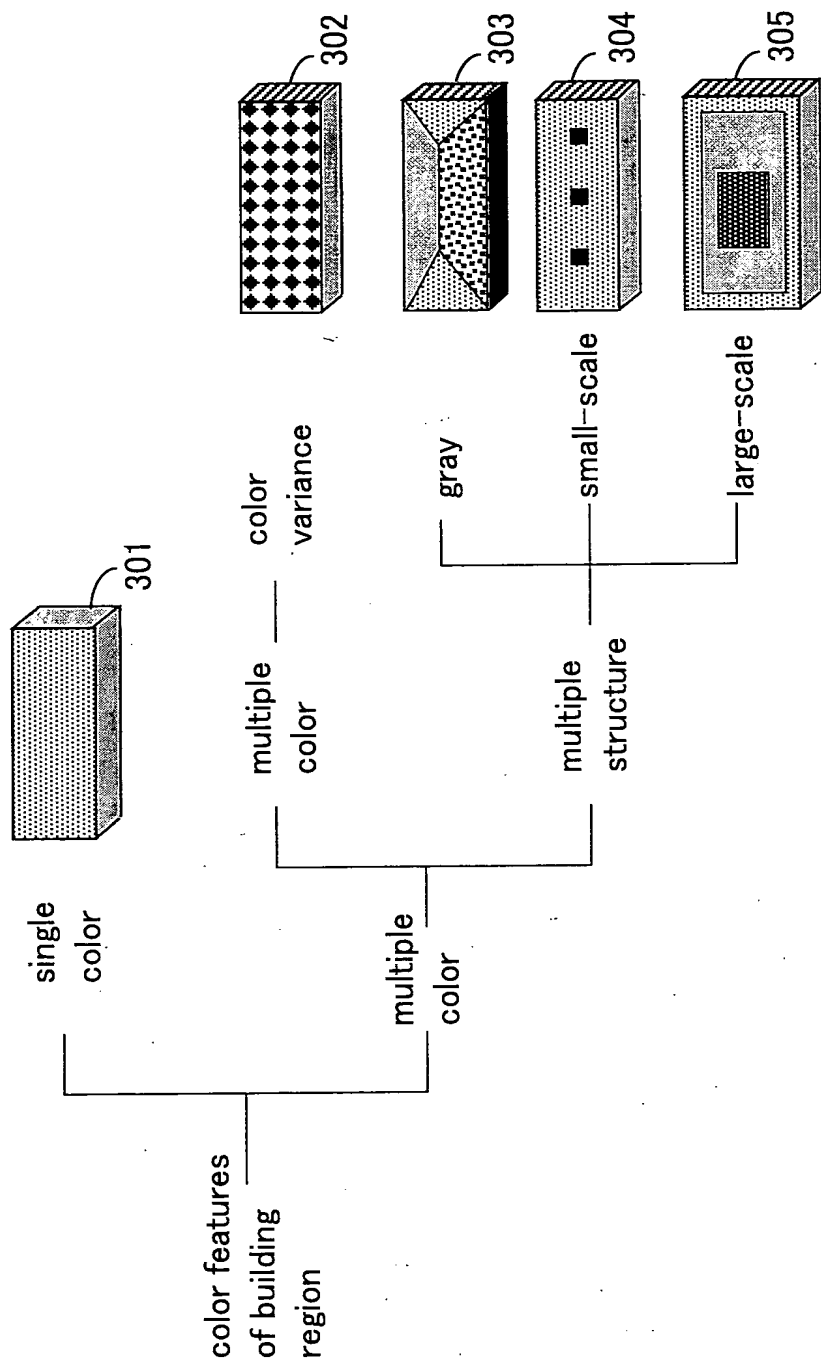


FIG.4

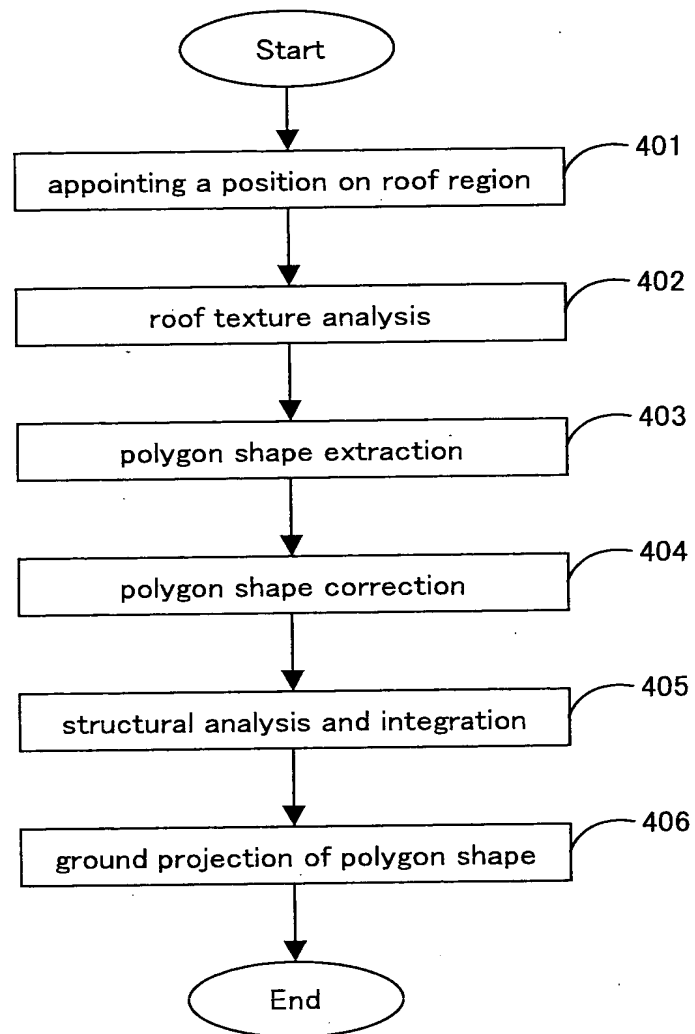


FIG.5

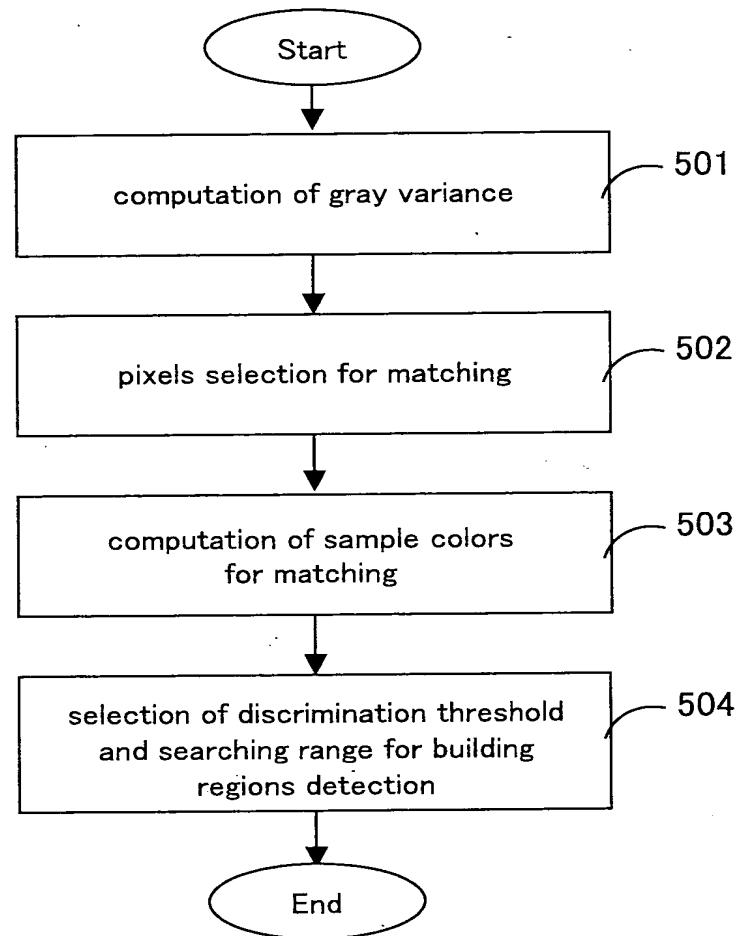


FIG.6

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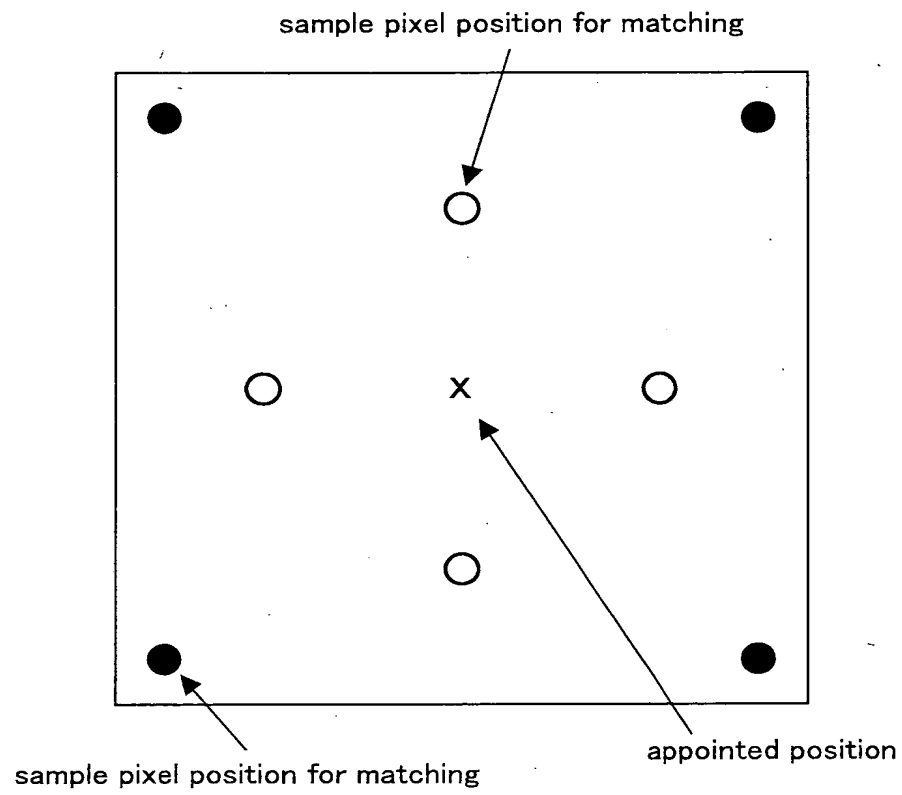


FIG.7

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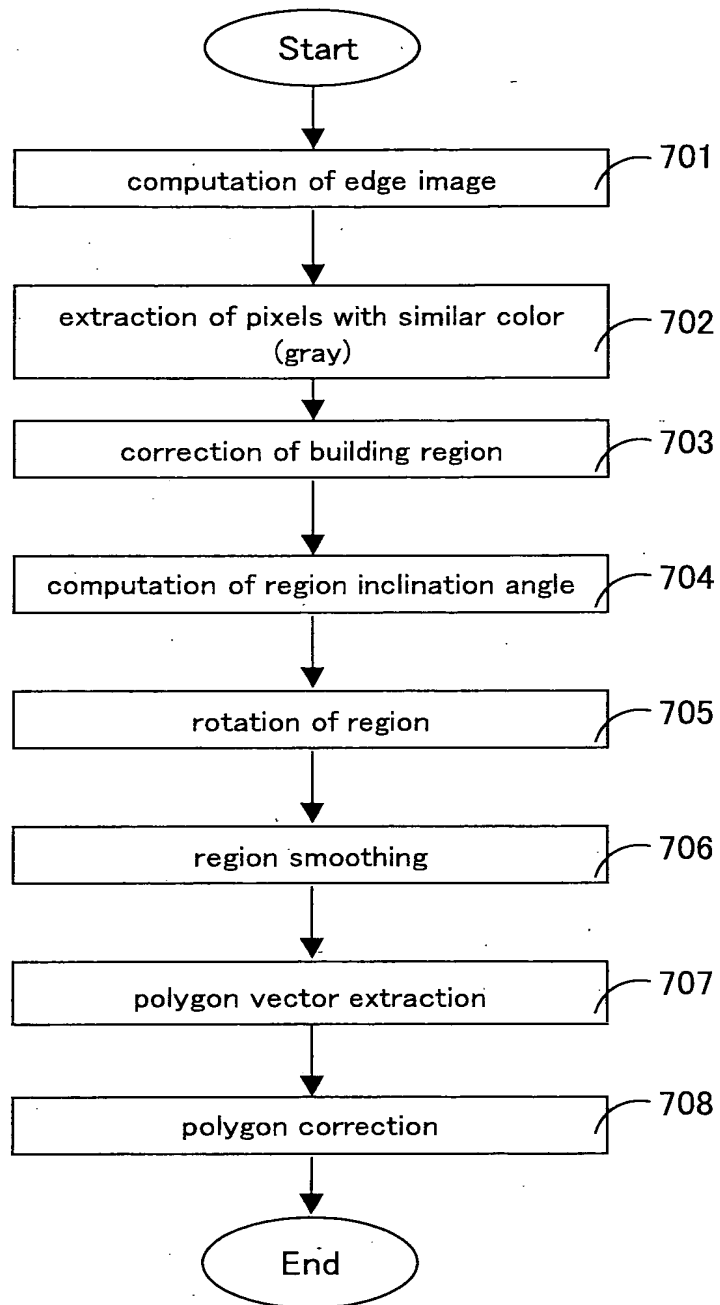


FIG.8

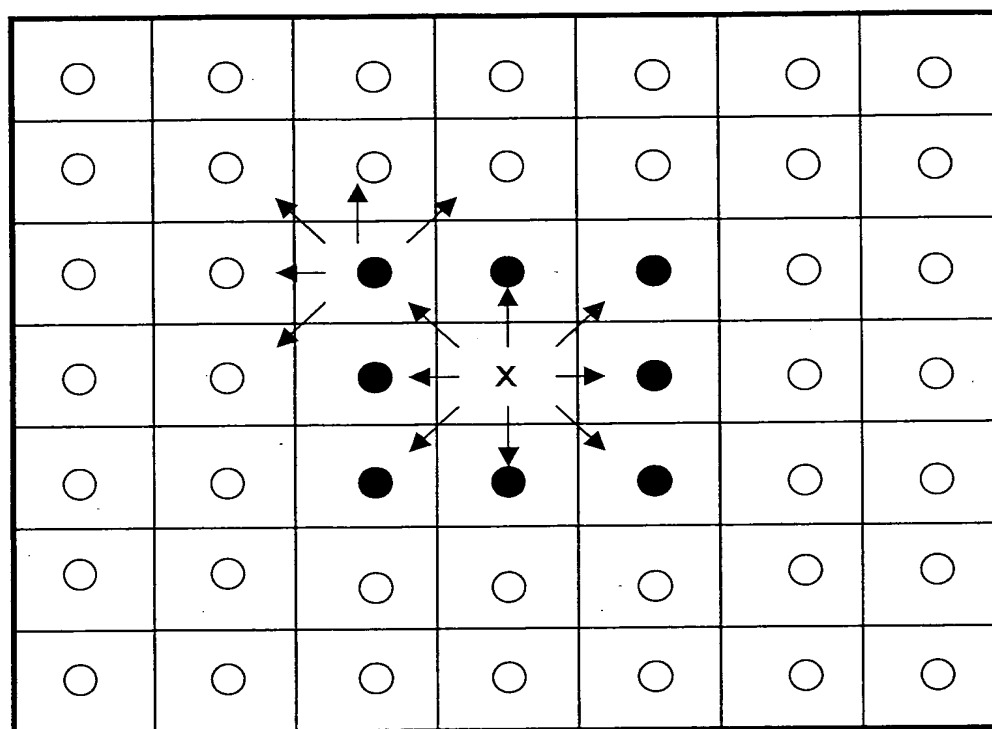


FIG.9

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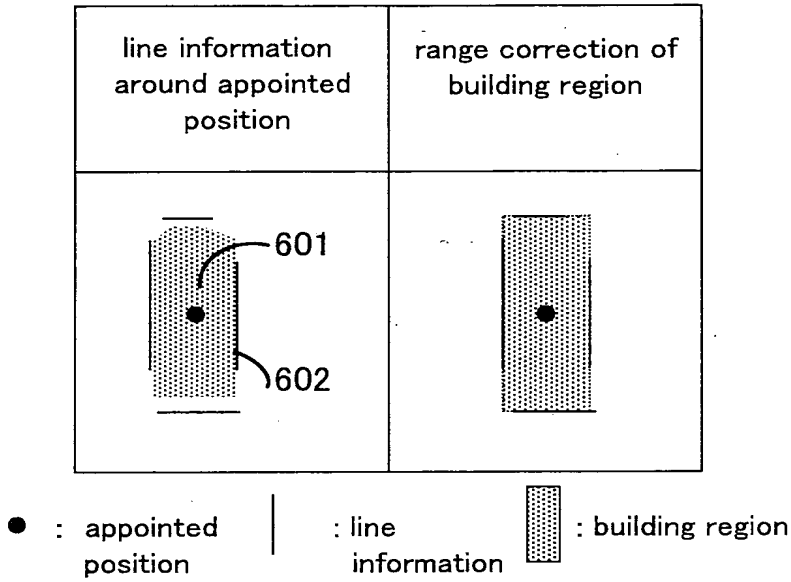
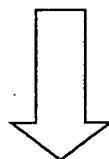
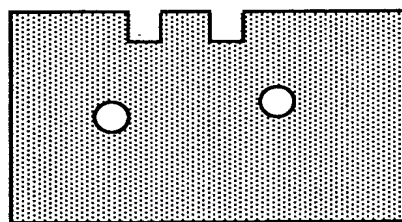


FIG.10

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region smoothing

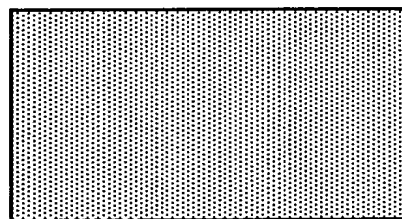


FIG.11

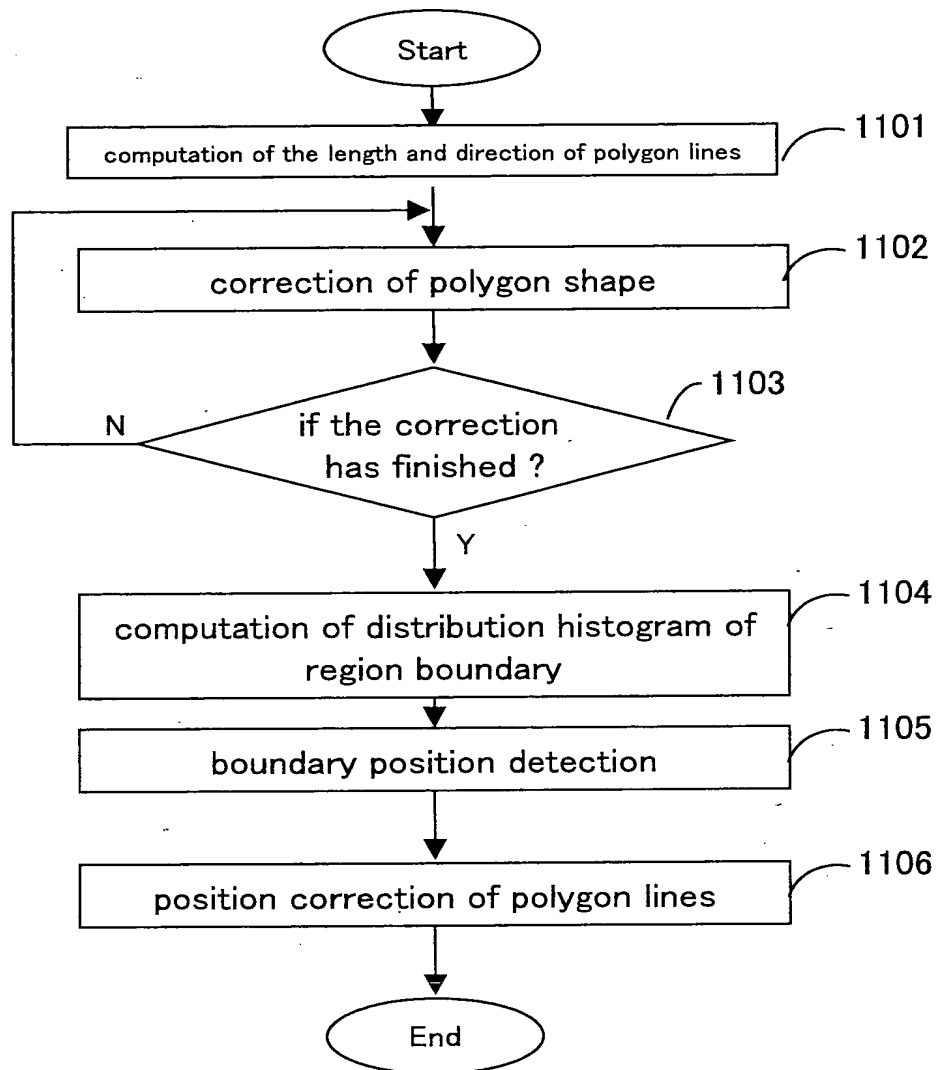


FIG.12

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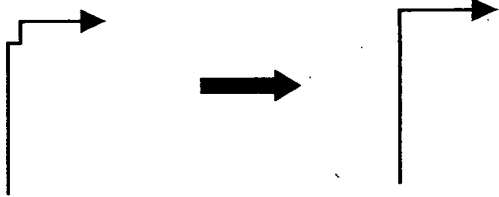
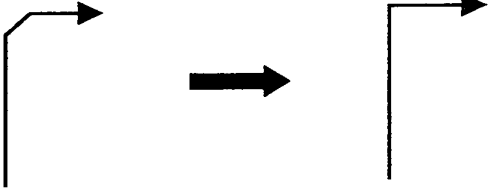
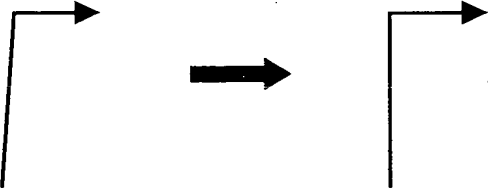

Pattern NO.	shape correction
P1	
P2	
	
P4	
P5	

FIG.13

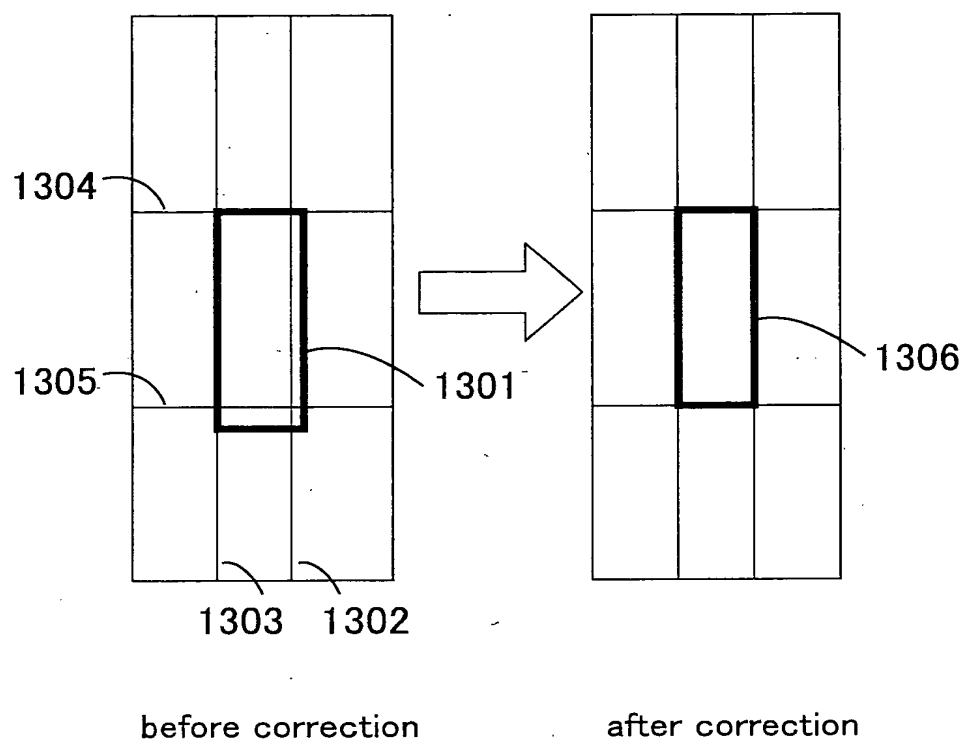


FIG.14

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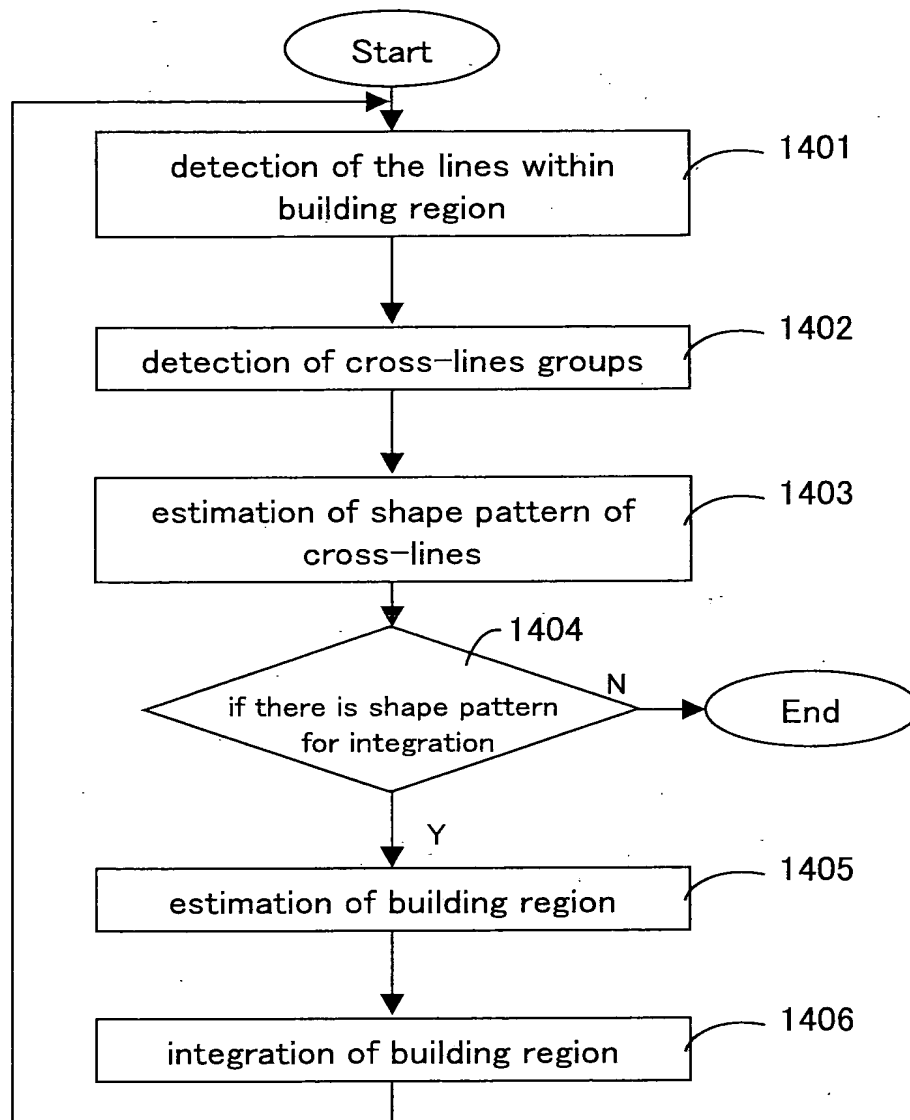


FIG.15

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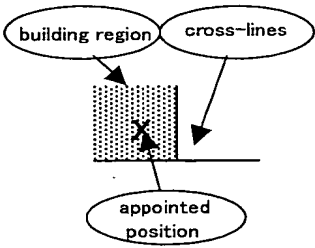
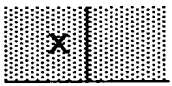
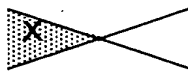
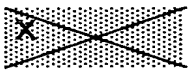
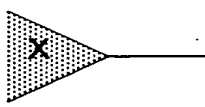
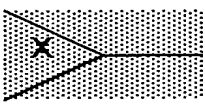
No.	shape patterns of cross-lines	region integration
T		
X		
Y		

FIG.16

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No.	shape patterns of cross-lines	region integration
V1		
V2		
V3		

FIG.17

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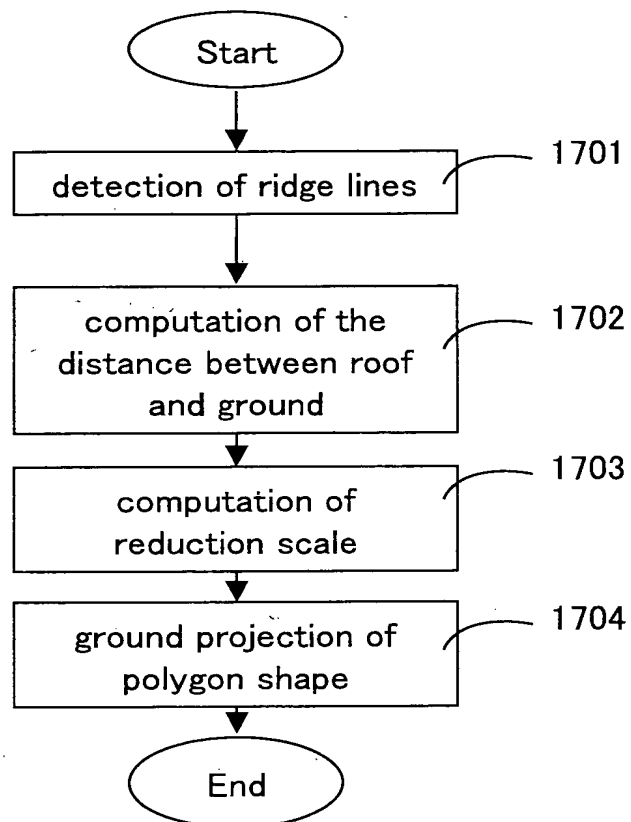


FIG.18

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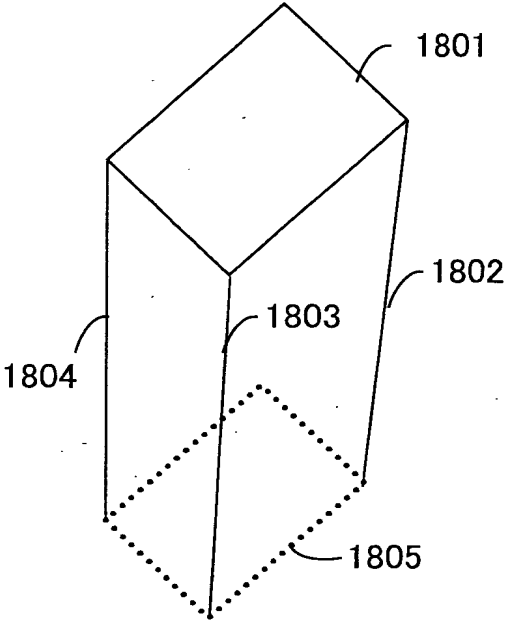
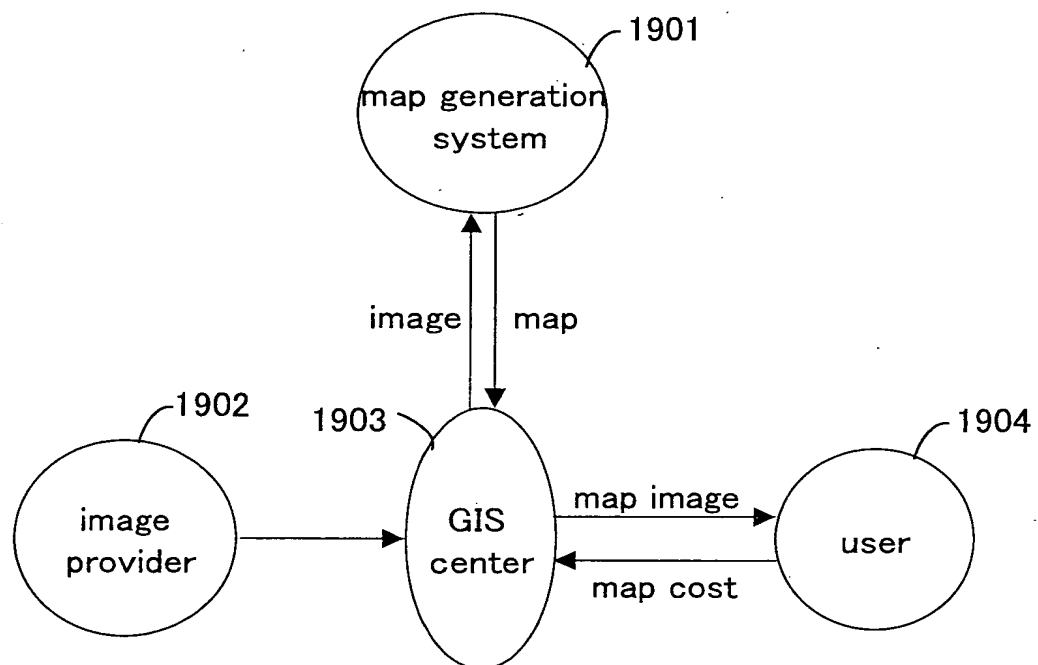


FIG.19

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EXPRESSION1

$$CM(i,j) = \sum_{n=1}^9 f \left(\sqrt{\sum_{m=R,G,B} (PC^{ij}(m) - PC_n^S(m))^2} < TH \right)$$

EXPRESSION2

$$\begin{cases} f(x) = 1 & \text{if } x = \text{true} \\ f(x) = 0 & \text{if } x = \text{false} \end{cases}$$

EXPRESSION3

$$PC^{i,j}(m)$$

EXPRESSION4

$$PC_n^S(m)$$